



AMENDMENTS

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GROUP 1100

IN THE CLAIMS

Please amend the following claims:

1. (amended) A process of producing coke, said method comprising the steps:

- (a) obtaining a coke precursor material derived from crude oil and having a volatile organic component;
- (b) subjecting said coke precursor material to a thermal cracking process, said thermal cracking process including adding to said coke precursor material at least one additive selected from the group consisting of carbonaceous material and chemical agents, said thermal cracking process performed for sufficient time and at sufficient temperature and under sufficient pressure so as to promote the production of sponge coke having increased porosity and improved adsorption characteristics; and
- (c) adding at least one chemical compound to said sponge coke in a coke quenching portion of said thermal cracking process wherein the increased porosity and improved adsorption characteristics aid in the addition of said at least one chemical compound.

A2 7. (amended) A process according to claim 1 wherein said chemical agents are selected from the group consisting of plastics, cardboard, paper, and non-carbonaceous chemicals.

A3 10. (amended) A process according to claim 1 wherein volatile combustible material in said coke is in the range of from about 13 % to about 50 % by weight.

17. (amended) A process of making coke, said process comprising:

- (a) providing a coke feed comprising a material derived from carbonaceous origin;
- (b) subjecting said coke feed to a thermal cracking process to promote the production of sponge coke and to produce said coke having increased porosity and improved adsorption characteristics; and

(c) adding at least one chemical compound to said sponge coke in a coke quenching portion of said thermal cracking process wherein the increased porosity and improved adsorption characteristics aid in the addition of said at least one chemical compound.

19. (amended) A process according to claim 17 wherein volatile combustible material in said coke is in the range of from about 13 % to about 50 % by weight.

33. (amended) A process according to claim 26 wherein said chemical agents are selected from the group consisting of plastics, cardboard, paper, and non-carbonaceous chemicals.

Please add the following new claims:

37. (new) A process according to claim 1 wherein said sponge coke has a surface area of about 600 square meters per gram or greater.

38. (new) A process according to claim 1 wherein said at least one chemical compound is selected from the group consisting of hydrocarbons, oxygen compounds, and sulfur sorbents.

39. (new) A coke made in accordance with a process according to claim 38.

40. (new) A process according to claim 10 wherein said volatile combustible material in said coke is in the range of from about 15% to about 30% by weight.

41. (new) A process according to claim 17 wherein said sponge coke has a surface area of about 600 square meters per gram or greater.

42. (new) A process according to claim 17 wherein said at least one chemical compound is selected from the group consisting of hydrocarbons, oxygen compounds, and sulfur sorbents.

43. (new) A coke made in accordance with a process according to claim 42.

44. (new) A process according to claim 19 wherein said volatile combustible material in said coke is in the range of from about 15% to about 30% by weight.
